OIPE IAP68
JUN 29 2006
PATENT & TRADEMARK OFFICE

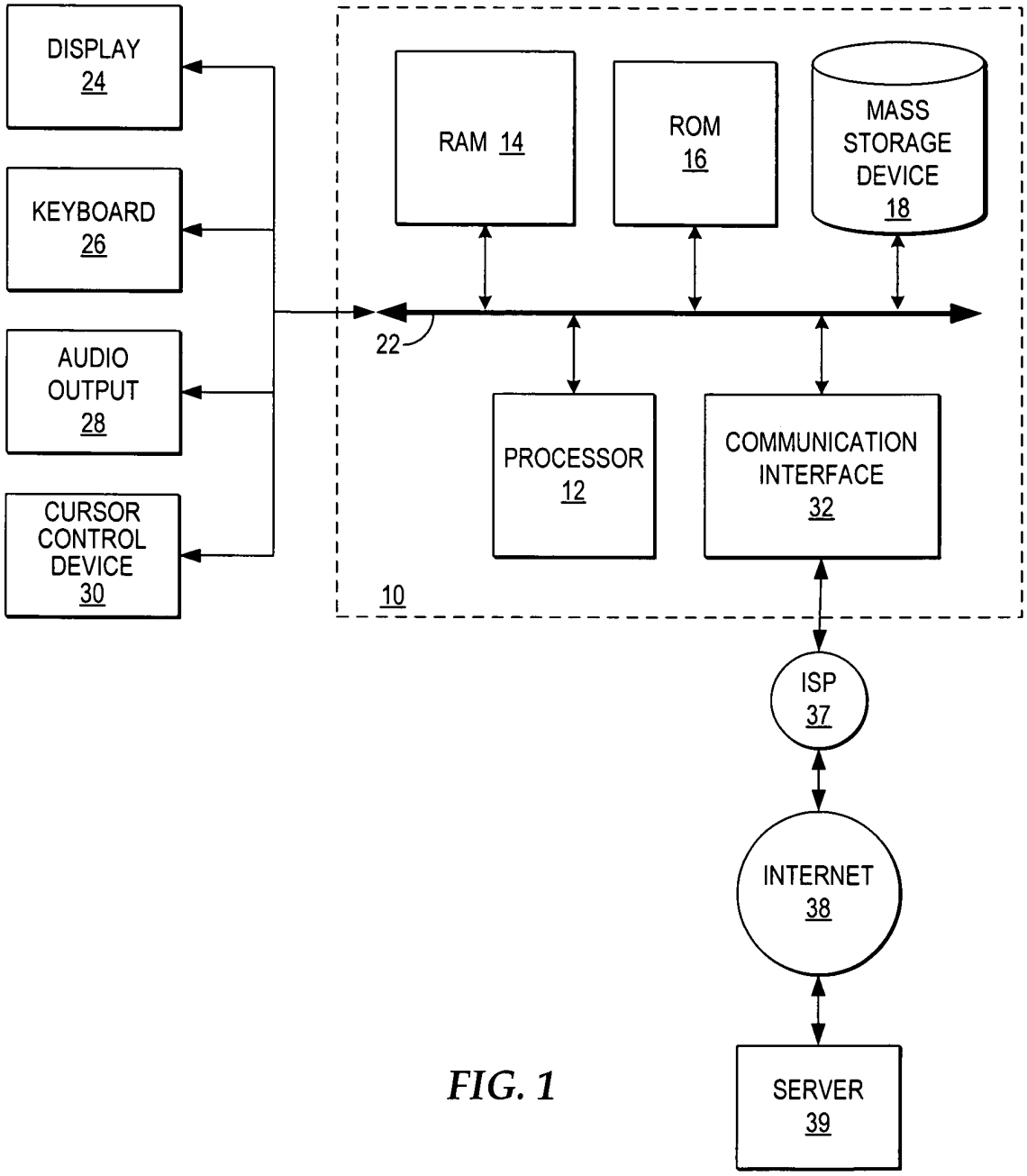

FIG. 1

2/5

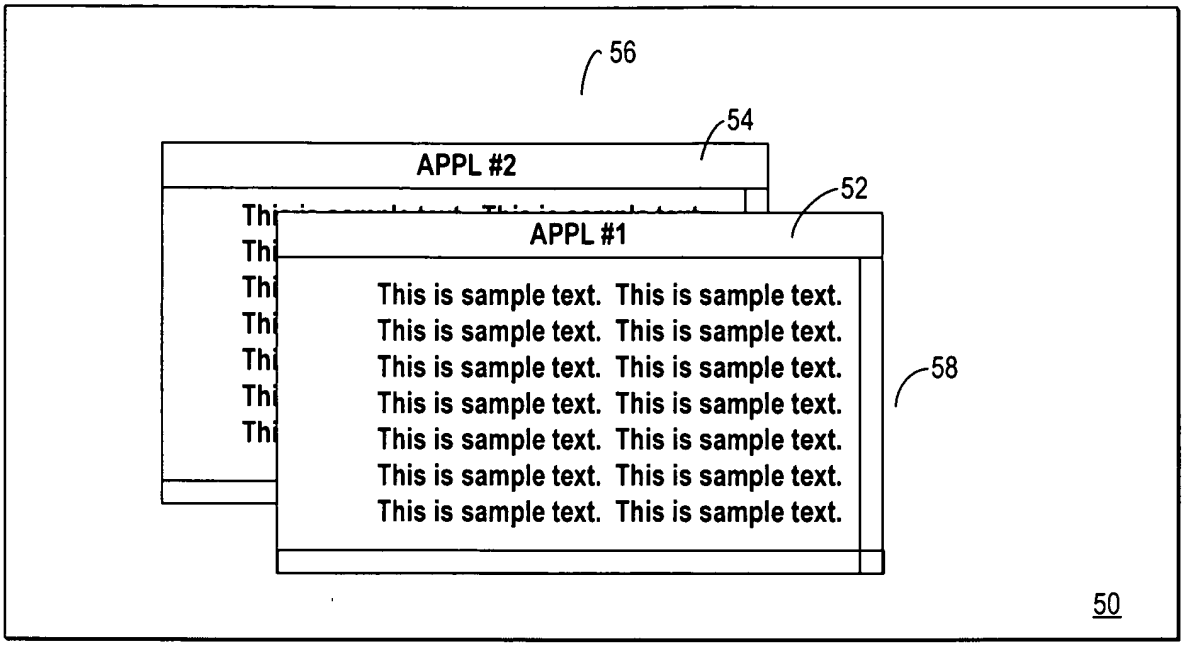
56
54
APPL #2
52
APPL #1
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
58
50

FIG. 2

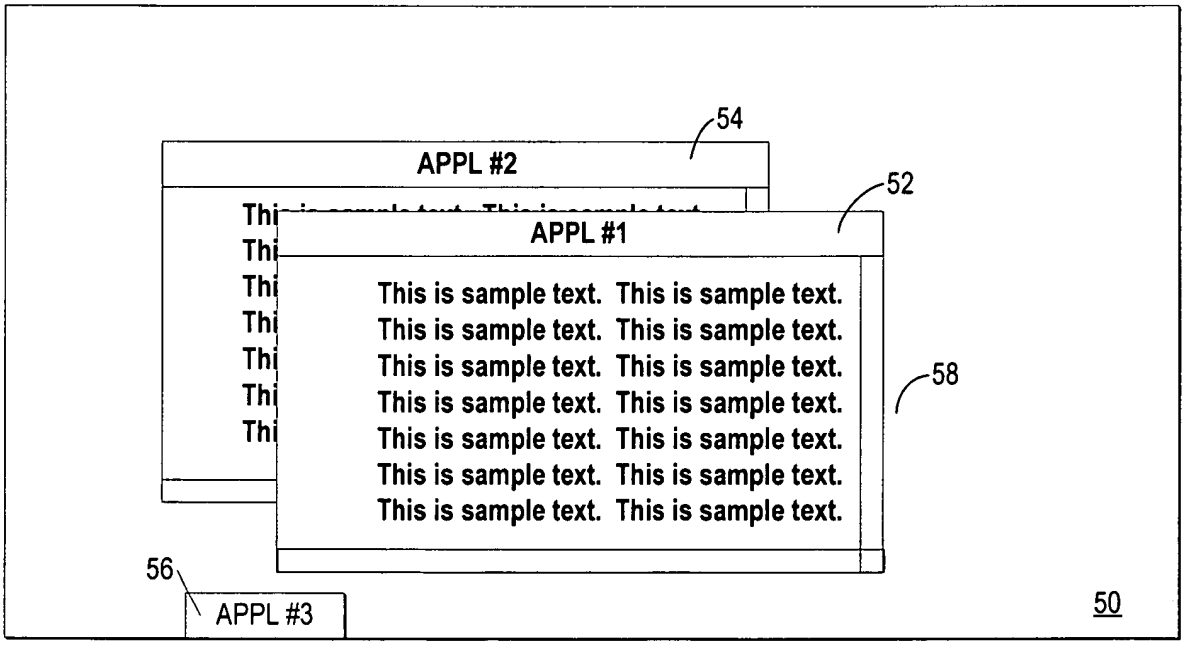
54
APPL #2
52
APPL #1
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
58
56
APPL #3
50

FIG. 3

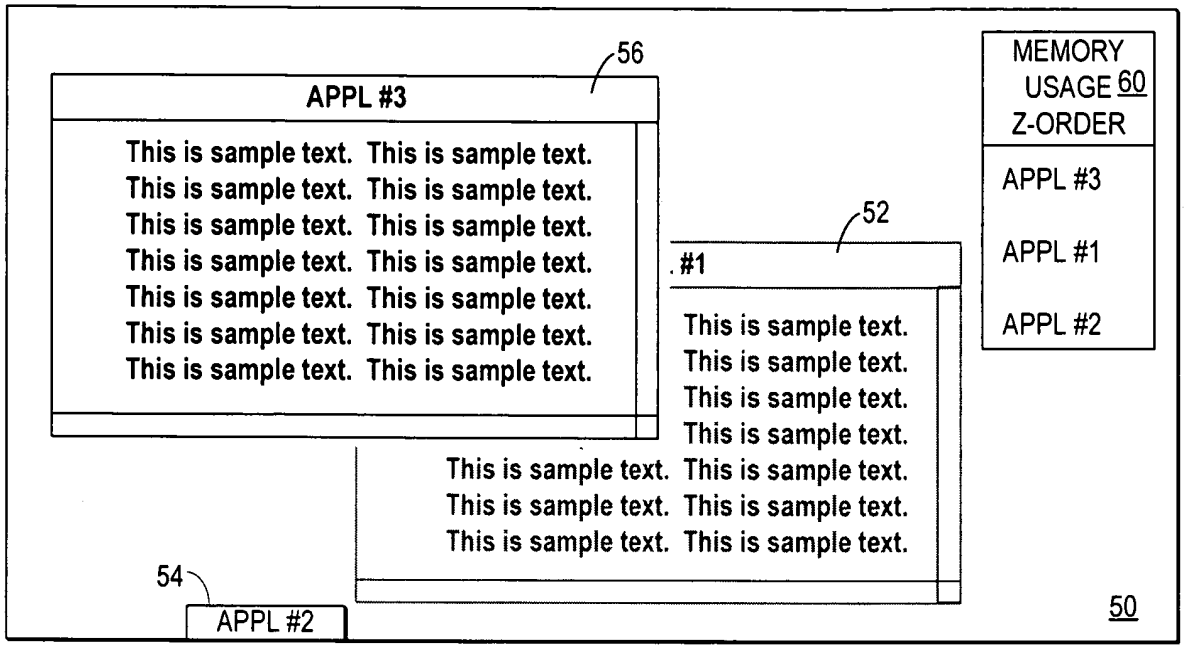
56
APPL #3
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
52
.#1
This is sample text.
This is sample text.
This is sample text.
This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
54
APPL #2
MEMORY USAGE 60 Z-ORDER
APPL #3
APPL #1
APPL #2
50

FIG. 4

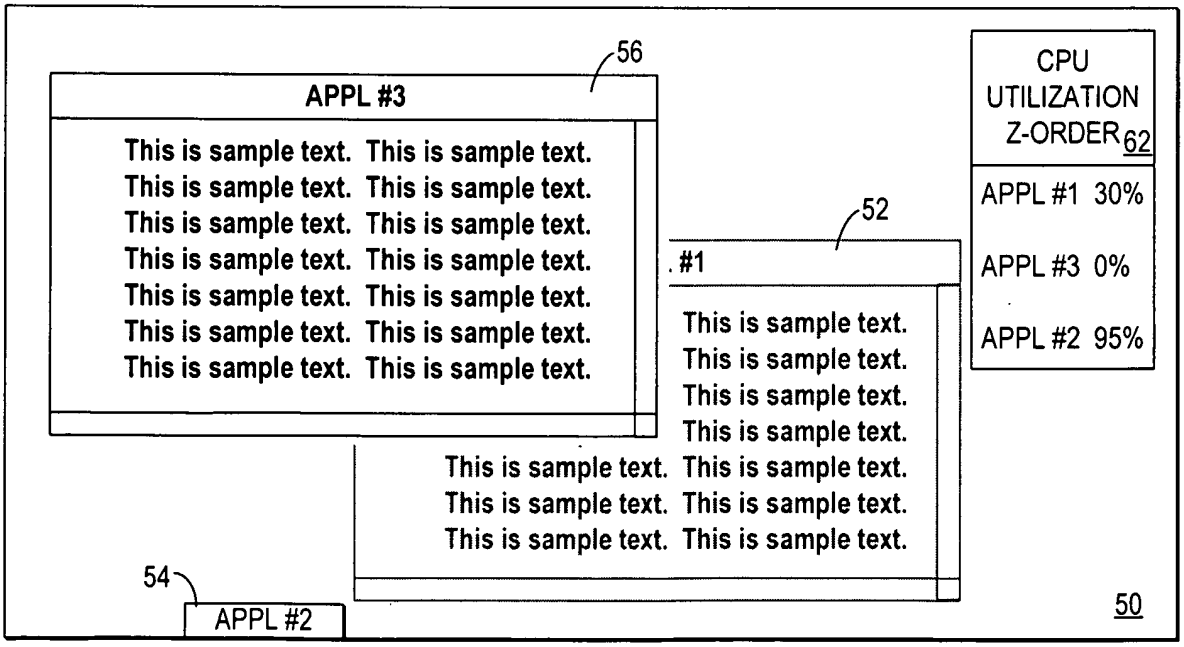
56
APPL #3
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
52
.#1
This is sample text.
This is sample text.
This is sample text.
This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
This is sample text. This is sample text.
54
APPL #2
CPU UTILIZATION Z-ORDER 62
APPL #1 30%
APPL #3 0%
APPL #2 95%
50

FIG. 5

4/5

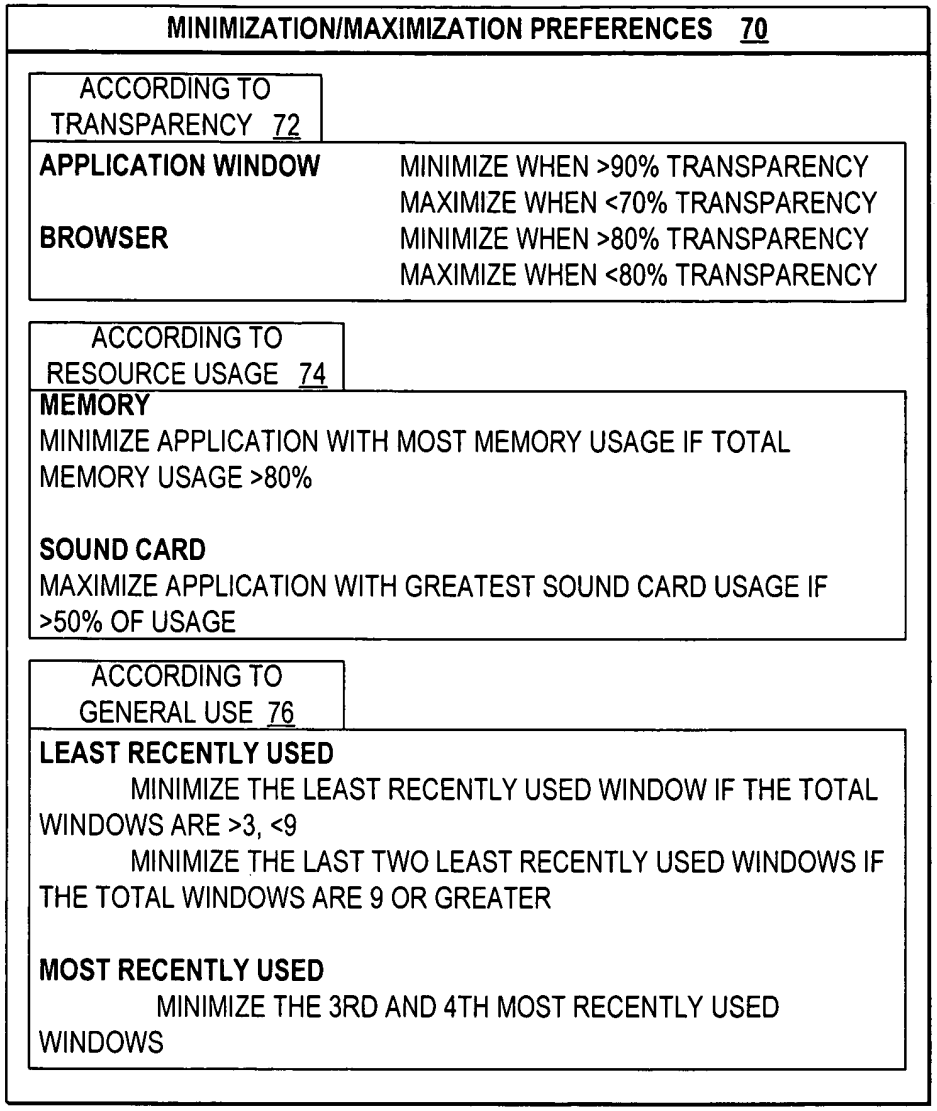
MINIMIZATION/MAXIMIZATION PREFERENCES 70
ACCORDING TO TRANSPARENCY 72
APPLICATION WINDOW
MINIMIZE WHEN >90% TRANSPARENCY
MAXIMIZE WHEN <70% TRANSPARENCY
BROWSER
MINIMIZE WHEN >80% TRANSPARENCY
MAXIMIZE WHEN <80% TRANSPARENCY
ACCORDING TO RESOURCE USAGE 74
MEMORY
MINIMIZE APPLICATION WITH MOST MEMORY USAGE IF TOTAL MEMORY USAGE >80%
SOUND CARD
MAXIMIZE APPLICATION WITH GREATEST SOUND CARD USAGE IF >50% OF USAGE
ACCORDING TO GENERAL USE 76
LEAST RECENTLY USED
MINIMIZE THE LEAST RECENTLY USED WINDOW IF THE TOTAL WINDOWS ARE >3, <9
MINIMIZE THE LAST TWO LEAST RECENTLY USED WINDOWS IF THE TOTAL WINDOWS ARE 9 OR GREATER
MOST RECENTLY USED
MINIMIZE THE 3RD AND 4TH MOST RECENTLY USED WINDOWS

FIG. 6

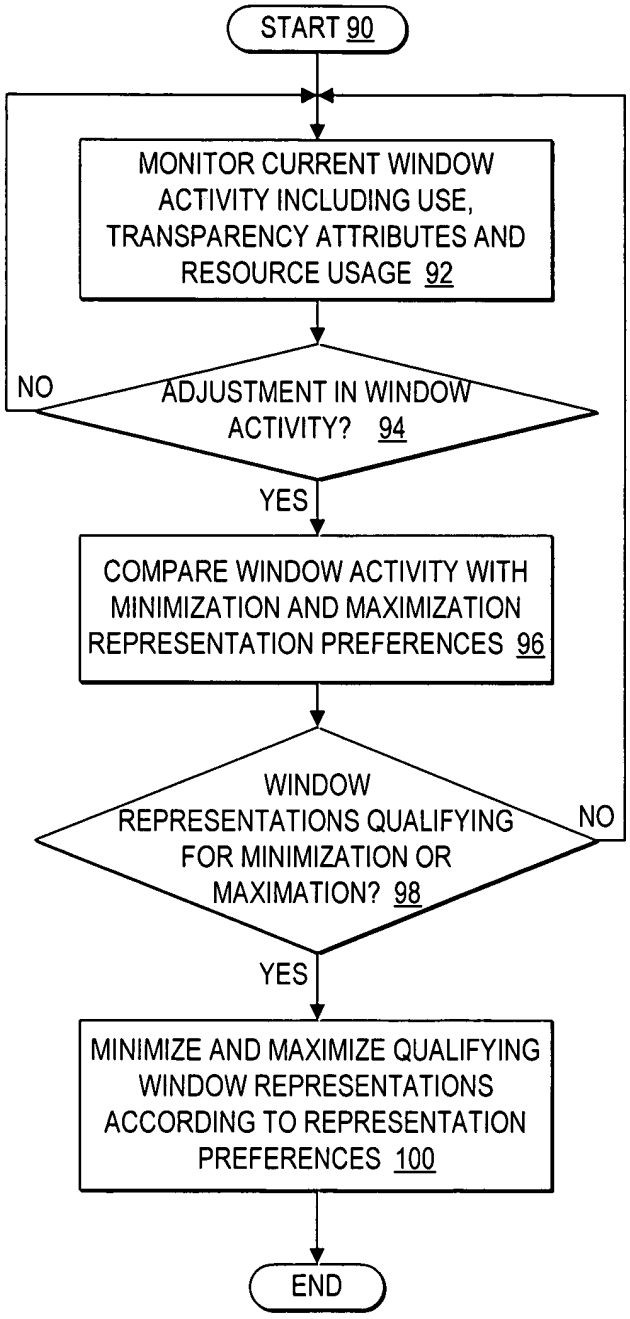
START 90
MONITOR CURRENT WINDOW ACTIVITY INCLUDING USE, TRANSPARENCY ATTRIBUTES AND RESOURCE USAGE 92
ADJUSTMENT IN WINDOW ACTIVITY? 94
NO
YES
COMPARE WINDOW ACTIVITY WITH MINIMIZATION AND MAXIMIZATION REPRESENTATION PREFERENCES 96
WINDOW REPRESENTATIONS QUALIFYING FOR MINIMIZATION OR MAXIMATION? 98
NO
YES
MINIMIZE AND MAXIMIZE QUALIFYING WINDOW REPRESENTATIONS ACCORDING TO REPRESENTATION PREFERENCES 100
END

FIG. 7